

ABSTRACT OF THE DISCLOSURE

To improve startability and reduce the amount of HC emission at start-up with the aid of a construction where vaporized fuel is supplied to the bypass passage that bypasses the main passage.

The main air control valve 16 is installed near the intake port 10 of the main air passage 3, and the main air control valve is closed or throttled at the time of start-up or additional injection from the port injection valve 5 is given in the beginning of start-up cranking. With a apparatus equipped with the main air control valve, vaporization of the fuel injected from the auxiliary injection valve 6 is facilitated in the beginning of cranking and also intake delay of the vaporized fuel is reduced, and hence startability can improve and the amount of HC emission at the time of start-up can decrease. With a apparatus where additional injection is given from the port injection valve 5 in the beginning of cranking, fuel supply into the cylinder is achieved quickly, and hence startability can improve and the amount of HC emission at the time of start-up can decrease.